

AMENDMENTS TO THE SPECIFICATION

Please replace the title with the following title rewritten in amendment format:

METHOD AND MOBILE COMMUNICATION SYSTEM FOR PROVIDING REAL-TIME
BROADCAST SERVICE IN THE MOBILE COMMUNICATION
NETWORK

Please replace Paragraph [0011] with the following paragraph rewritten in amendment format:

[0011] With the method according to this present invention, real-time service with high data rate, such as real-time broadcast service, can be supported by setting special scrambling codes in the prior mobile communication system. When using the special scrambling codes, each cell of the broadcast service hierarchy utilizes the same scrambling code and channel code. For example, when using the special scrambling codes, range and location division of the cell of the original service hierarchy plus broadcast service hierarchy is may be the same as that of the macro cell of the original service macro cell covering hierarchy in which the mobile network is covered by macro cells. More often, the mobile network may be completely covered by macro cells. When using the special scrambling codes, the mobile terminal can implement interfere canceling with known information about broadcast service scrambling code and channel code, channel estimation information of the current cell and adjacent cells as well as demodulated broadcast service information so as to improve the receiving ability for other service channels. When using the special scrambling codes, the service providers providing real-

time broadcast service can activate or shutdown the transmitting signals of broadcast service in response of requirements.

Please replace Paragraph [0037] with the following paragraph rewritten in amendment format:

[0037] With reference to figure 5, this figure illustrates the structure and operating principle of the wireless access network when the technology scheme of using special scrambling codes is adopted. In this system structure, the broadcast service mode is newly added, namely, the network structure can be used to provide real-time broadcast service by adding special scrambling codes. The special scrambling codes for real-time broadcast service are only used in macro cells, and there is no need to add special scrambling codes to micro cells and pico cells in which the mobile network may be covered by macro cells.